# SEARCH REQUEST FORM
## Scientific and Technical Information Center

Requester's Full Name: P. Laufer  Examiner# 73139  Date: 7/15/02

Art Unit: 2100  Phone Number: 306 4160  Serial Number: ∧

Mail Box and Bldg/Room Location: 10/OH 249  Results Format Preferred (circle):  Paper  Disk  E-mail

**If more than one search is submitted, please prioritize searches in order of need.**
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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

_____

Earliest Priority Filing Date: _____

*For Sequence Searches Only* *Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Litigation
5,983,261

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| **STAFF USE ONLY** | **Type of search** | **Vendors and cost where applicable** |
|---|---|---|
| Searcher: A Green | NA Sequence (#) _____ | STN _____ |
| Searcher Phone: 6-4767 | AA Sequence (#) _____ | Dialog _____ |
| Searcher Location: 4840 | Structure (#) _____ | Questel/Orbit 23.82 |
| Date Searcher Picked Up: 7-15-02 | Bibliographic _____ | Dr. Link _____ |
| Date Completed: 7-15-02 | Litigation ✓ | Lexis/Nexis _____ |
| Searcher Prep & Review Time: 2 | Full Text _____ | Sequence System _____ |
| Clerical Prep Time: 4 | Patent Family _____ | WWW/Internet _____ |
| Online Time: 8 | Other _____ | Other (specify) _____ |

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5983261

November 9, 1999

Method and apparatus for allocating bandwidth in
teleconferencing applications using bandwidth control

REISSUE: November 9, 2001 - Reissue Application filed Ex. Gp.: 2153; Re. S.N.
10/037,540April 23, 2002; November 9, 2001 - Reissue Application filed Ex. Gp.:
2153; Re. S.N. 10/014,249July 2, 2002

INVENTOR: Riddle, Guy G., Los Gatos, CA

APPL-NO: 08674137

FILED-DATE: July 1, 1996

GRANTED-DATE: November 9, 1999

ASSIGNEE-AT-ISSUE: Apple Computer, Inc., Cupertino, CA

ASSIGNEE-AFTER-ISSUE: January 13, 1997 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE
DOCUMENT FOR DETAILS)., APPLE COMPUTER, INC. 1 INFINITE LOOP CUPERTINO,
CALIFORNIA 95014,, Reel and Frame Number: 008302/0576; May 13, 1997 - ASSIGNMENT
OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)., APPLE COMPUTER, INC. 1
INFINITE LOOP CUPERTINO, CALIFORNIA 95014,, Reel and Frame Number: 008528/0677

LEGAL-REP: Blakely, Sokoloff, Taylor & Zafman

US-MAIN-CL: 709#204

IPC-MAIN-CL: G 06F013#0

SEARCH-FLD: 395#20053 , 395#20056 , 395#20058 , 395#20062 , 395#20063 ,
395#20065 , 395#20068 , 395#2005 , 395#20051 , 395#20052 , 395#20054 , 395#20055
, 395#20034 , 370#229 , 370#260 , 370#468 , 709#205 , 709#224 , 709#226 ,
709#204

PRIM-EXMR: Meky, Moustafa M.
CORE TERMS: bandwidth, network, node, administrator, teleconferencing,
allocated, teleconference, computer system, priority, medium ...

ENGLISH-ABST:

In the present invention, in some embodiments, an administrator assigns a total bandwidth allocation to at least one other computer system, and the computer system parcels the bandwidth among the applications running on the computer system. In the operation of one embodiment of the present invention, an administrator sends a bandwidth maximum allocation to each node on the system. Each node determines a current bandwidth being used, and limits the current bandwidth to this allocation. Thereafter, each node then reallocates its usable bandwidth among applications running on the nodes that are attempting to send messages over the network. For each application, a current bandwidth use is determined, as well as a current bandwidth demand. The current bandwidth demand is the amount of bandwidth that the application would be using if no other applications were running on the node and if there were no limitations on the amount of data the application could send to the network. A ratio is calculated to determine the amount of the bandwidth demand currently being satisfied for each application, thus calculating the happiness factor for the application.

**No Documents Found**

No documents were found for your search (5983261 or 5,983,261). Please edit your search and try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms.
- If applicable, look for all dates.

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**LEXIS-NEXIS**
**Library: PATENT**
**File:      JNLS**

**No Documents Found**

No documents were found for your search (5983261 or 5,983,261). Please edit your search and try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use more common search terms.
- If applicable, look for all dates.

**Edit Search**

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**LEXIS-NEXIS**
**Library: PATENT**
**File:      CASES**

?fam us5983261/pn

   1 Patent Groups
   ** SS 1: Results 1

   Search statement   2

?famstate nonstop

   1/1 INPADOC - (C) INPADOC
   PN  - US 5983261  A  19991109  [US5983261]
   TI  - METHOD AND APPARATUS FOR ALLOCATING BANDWIDTH IN TELECONFERENCING
         APPLICATIONS USING BANDWIDTH CONTROL
   IN  - RIDDLE GUY G [US]
   PA  - APPLE COMPUTER [US]
   AP  - US 674137/96-A  19960701  [1996US-0674137]
   PR  - US 674137/96-A  19960701  [1996US-0674137]
   IC  - G06F-013/00


   1/1 LEGALI - (C) LEGSTAT
   PN   - US 5983261  [US5983261]
   AP   - US 674137/96  19960701  [1996US-0674137]
   DT   - US-P
   ACTE- 19960701  US/AE-A
         APPLICATION DATA (PATENT)
         {US 674137/96  19960701  [1996US-0674137]}
       - 19991109  US/A
         PATENT
       - 20020423  US/RF
         REISSUE APPLICATION FILED
         20011109
   UP   - 2002-18

?us5983261/pn

** SS 1: Results 1

Search statement   2

?prt full nonstop legalall

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN   - US5983261 A 19991109 [US5983261]
TI   - (A) Method and apparatus for allocating bandwidth in teleconferencing
       applications using bandwidth control
PA   - (A) APPLE COMPUTER  (US)
IN   - (A) RIDDLE GUY G  (US)
AP   - US67413796  19960701  [1996US-0674137]
PR   - US67413796  19960701  [1996US-0674137]
IC   - (A) G06F-013/00
PCL  - ORIGINAL (O) : 709204000; CROSS-REFERENCE (X) : 709226000
DT   - Basic
CT   - US5600797; US5604742; US5673393
STG  - (A) United States patent
AB   - In the present invention, in some embodiments, an administrator
       assigns a total bandwidth allocation to at least one other computer
       system, and the computer system parcels the bandwidth among the
       applications running on the computer system. In the operation of one
       embodiment of the present invention, an administrator sends a
       bandwidth maximum allocation to each node on the system. Each node
       determines a current bandwidth being used, and limits the current
       bandwidth to this allocation. Thereafter, each node then reallocates
       its usable bandwidth among applications running on the nodes that are
       attempting to send messages over the network. For each application, a
       current bandwidth use is determined, as well as a current bandwidth
       demand. The current bandwidth demand is the amount of bandwidth that
       the application would be using if no other applications were running
       on the node and if there were no limitations on the amount of data the
       application could send to the network. A ratio is calculated to
       determine the amount of the bandwidth demand currently being satisfied
       for each application, thus calculating the happiness factor for the
       application.


1/1 LGST - (C) LEGSTAT
PN   - US 5983261  [US5983261]
AP   - US 674137/96  19960701  [1996US-0674137]
DT   - US-P
ACT  - 19960701  US/AE-A
       APPLICATION DATA (PATENT)
       {US 674137/96  19960701  [1996US-0674137]}
     - 19991109  US/A
       PATENT
     - 20020423  US/RF
       REISSUE APPLICATION FILED
       20011109
UP   - 2002-18


1/1 CRXX - (C) CLAIMS/RRX
PN   - 5,983,261 A  19991109  [US5983261]
PA   - Apple Computer Inc
ACT  - 20011109  REISSUE REQUESTED
       ISSUE DATE OF O.G.: 20020423
       REISSUE REQUEST NUMBER: 10/037540
       EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2153

Reissue Patent Number:

- 20011109  REISSUE REQUESTED
  ISSUE DATE OF O.G.: 20020702
  REISSUE REQUEST NUMBER: 10/014249
  EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2153


Reissue Patent Number:

1/2 PAST - (C) Thomson Derwent
AN  - 200227-001789
PN  - 5983261  A  [US5983261]
OG  - 2002-07-02
ACT - REISSUE APPLICATION FILED

2/2 PAST - (C) Thomson Derwent
AN  - 200217-001781
PN  - 5983261  A  [US5983261]
OG  - 2002-04-23
ACT - REISSUE APPLICATION FILED